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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/018,814	04/22/2002	Albert Felix	022701-977	2586
21839	7590	10/22/2002	EXAMINER	
BURNS DOANE SWECKER & MATHIS L L P POST OFFICE BOX 1404 ALEXANDRIA, VA 22313-1404			OH, TAYLOR V	
ART UNIT		PAPER NUMBER		
1625		7		
DATE MAILED: 10/22/2002				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Applicati n No.	Applicant(s)
	10/018,814	FELIX ET AL.
Examiner	Art Unit	
	Taylor Victor Oh	1625

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 21 December 2001.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-8 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 1-8 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) The proposed drawing correction filed on _____ is: a) approved b) disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.

12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.

14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) The translation of the foreign language provisional application has been received.

15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s). _____.
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) Notice of Informal Patent Application (PTO-152)
3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____. 6) Other:

Claim Rejections - 35 USC § 112

Claim 7 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In the claim , "1000 m" is written. However, the unit of the numeric value does not correspond to the unit of the particle size. An appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-8 are rejected under 35 U.S.C. 102(b) as being anticipated clearly by Anderson et al (U.S. 5,471,001).

Anderson et al disclose a process of producing adipic acid crystals in the following steps:

1. dissolving 160 g of adipic acid in 240 g of water by heating;
2. allowing to the solution to cool down and crystallize under mechanical stirring at 55⁰ C.;
3. isolating the crystals from the solution (see col. 4, Example 3).

Furthermore, during the process, the hot mother liquid contains 20 to 50 % by weight adipic acid (see col. 3 ,lines 34-35). Also, after the completion of the crystallization, the particle size of the adipic acid has been analyzed and obtained in the range of from 300 to 330 microns (see col. 5 , table III, lines 12-20). This is identical with the claims.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Bruner,Jr. (U.S. 5,166,421) discloses a process for the manufacture of adipic acid by reacting 1,3-butadiene with carbon monoxide and water. The recovery of the adipic acid is accomplished by the crystallization of adipic acid and the filtration of the adipic acid product.

Mock (U.S. 4,254,283)) discloses a process for the manufacture of adipic acid by the oxidation of cyclohexanol and cyclohexanone and glutaric acid and succinic acids are also recovered from the reaction by-product by crystallizing adipic acid out of the stream containing glutaric acid and succinic acids.

Brunner (U.S. 4,052,441) discloses a separating process of saturated mono carboxylic and dicarboxylic acids including adipic acid during the formation of cyclohexanone by the catalytic oxidation of cyclohexane with oxygen.

Kuceski (U.S. 4,375,552) discloses the recovery of adipic acid from the waste stream from a nitric acid oxidation plant by the crystallization of adipic acid in a series of crystallizer-centrifuge units.

Bruner, Jr. (U.S. 5,710,325) discloses the preparation of adipic acid from pentenoic acids by hydrocarboxylation of a reaction mixture in which gamma-valerolactone constitutes 30 to 70 % by weight of the reation mixture and the recovery of adipic acid from the reaction mixture is conducted by using a crystallizer.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Taylor Victor Oh whose telephone number is 703-305-0809. The examiner can normally be reached on 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alan Rotman can be reached on 703-308-4698. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-2742 for regular communications and 703-305-7401 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1235.

Alan L Rotman
ALAN L. ROTMAN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 1600

October 20, 2002